



The OSCILLATOR

Volume 33 Issue 5
May 2010



Editor: Everett W6ABM
w6abm@arrl.net

Oregon Tualatin Valley Amateur Radio Club



"MY TWO CENTS" Pat Roberson

I'm sitting in the shack listening to the 10 meter CW Net as I write this column. The 10 meter CW Net is a local Portland area net, held every evening except Sunday, at 7:00 pm (local) on 28.130 MHz. If you have an interest in CW you may want to consider joining in.

Your Board of Directors has been working hard to find a new meeting location for the club. By the time you read this, the Board will have made a decision. An announcement to the Club will be made immediately. I want to thank all of those who contributed in finding a new meeting place. And thanks to all of you who took time to fill out the survey.

Thanks to a program presentation by J.D. K7JDF a couple of months ago, at least one more member and I have become a part of the 902 MHz family. It is an interesting band. You never know when a station from Texas, California, or other places will pop up on the repeater.

It was sure nice to have a couple of old familiar faces at our last meeting. Steve Crouch, NO7V and Brien Morris, K7KSN who has been a member in the past.

See TWO CENTS, Page 3

NEW CLUB LOCATION AND MEETING DATE IN JUNE

For the past three years, our club has been searching for a suitable location for monthly Program Meetings. The Board of Directors has located a site and arranged for OTVARC to meet there beginning with our June Meeting. The new site is the Community Building at Sunset Presbyterian Church, 14986 NW Cornell Rd, just off US26 in Beaverton.

In moving to the new location, a change of meeting night is necessary. The Board has set the 3rd Thursday of each month for monthly Program Meetings beginning June 17th.

The Board surveyed members on meeting location and amenities. A report was presented at the April 14th Meeting. Sixty-six members participated in the survey. Thanks to all who provided their input in person, by email, letter, and via the survey.

Our last Monthly Program Meeting at The Peppermill Restaurant will be our May 12th Meeting. See additional stories in this issue of The OSCILLATOR.

CLUB MEETING THURSDAY, May 20th

OTVARC is affiliated with ARRL: The National Association for Amateur Radio and is a *Special Service Club*. The May Meeting is our last at The Peppermill Restaurant, 17455 SW Farmington Road, Beaverton, at 7:00 pm.

Our May 12th program will feature Randy Pitchford WW7ZZ who will speak about HF ground-planes in limited area applications. He will show his 6' X 6" ground plane, and how to make one. Guests are always welcome. A license is not required.

WHERE TO EAT

In making a move to a new location for our monthly Club Meetings, the availability of food was considered. Our new meeting place, 14986 NW Cornell Rd, just off US26 is located very near major transportation routes.

These routes have attracted nearly 40 places to eat within one mile of our new site. A convenient listing of these sites is attached to this issue of The OSCILLATOR and will be kept updated on the OTVARC Web Site, www.otvarc.org.

Our May Speaker



Randy Pitchford WW7ZZ will speak at the May 12th Club Meeting. He will speak about HF ground-planes in limited area applications. He will show his 6' X 6"

ground plane, and how to make one.

Randy works for Rockwell Collins Head-up Guidance Systems. He is a veteran of the U.S. Army Security Agency and a recipient of the Legion of Merit and the Freedom's Foundation Medal.

Randy has been involved with HF communications for over 50 years, beginning as a fanatic SWL at age 12. He has been involved with Ham Radio off and on for about the same period of time. His first ARRL membership was in 1969.

Randy's Interests include antenna design, HF Direction Finding, digital cameras, cooking, and his grandkids.

FIELD DAY SET FOR JUNE 25 - 27

Field Day is the fourth full weekend of June, beginning at 11:00 am PDT Saturday and running through 4:59 pm PDT Sunday. Field Day 2010 will be held June 26 - 27, 2010. The object is to work as many stations as possible on any and all amateur bands (excluding 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2.



Our club will again operate from L. L. "Stub" Stewart State Park, near Buxton, Oregon. JD Fort K7JDF is our Field Day coordinator.

Good Bye, LORAN

The Department of Homeland Security is dismantling the 24-station LORAN system, including sites in Alaska, Washington, and California. A move expected to save \$37 million this year. The Coast Guard demolished Alaska's tallest structure, a 1,350-foot Long Range Aids to Navigation tower on the Seward Peninsula in April. The tower at Port Clarence was deteriorating and at risk of collapse. A site with a 626' tower in Middleton, California (Lake County) will be down by the end of May. The towers are no longer needed. As they are removed a part of maritime and flight communications history is going as well.

The Coast Guard's civil engineering unit from Juneau and a private company, Controlled Demolition Inc., used explosives to take the Alaska tower down. The metal is being sold for scrap. The tower was at the Coast Guard LORAN station at Port Clarence, about 70 miles northwest of Nome. It was completed in 1961 and was the tallest tower of its kind in the country.

LORAN is a land-based navigation system. Used by vessels and aircraft, the LORAN system put out radio signals that could be used to triangulate a position, said Coast Guard spokeswoman Sara Francis. It was developed during World War II for military ships and aircraft. LORAN-C was developed for civilian use in 1957 and used signals from 24 land-based towers. The Coast Guard has maintained the LORAN system for more than 52 years, taking over for the Navy in some cases.

With most operators using GPS, and the government determination that LORAN was no longer needed, President Obama last year ordered stations and domestic signals shut down to save money.

We expect to operate during a 24-hour period beginning on Saturday morning at 11:00 am. Ron O'Connor KD7VIK will be scheduling operators for the event. More information will be available in the June issue of The OSCILLATOR.

VOLUNTEER FOR SEA-PAC NEEDED

Will Sheffield N7THL, one of four co-chairs for the SEA-PAC Committee, has served OTVARC in this role for fifteen years. His faithful service includes coordinating the handling of the Registration process for the annual event. This includes opening registration mail and email, capturing information for the database, processing checks, and passing financial data to the SEA-PAC Treasurer. The person who does this work should attend most, or all, of the SEA-PAC Committee planning meetings, about eight sessions.

The Club is searching for a member who will learn the registration process from Will and take over beginning with SEA-PAC 2011. SEA-PAC is totally volunteer-driven. This is one of the most critical roles. Are you ready to step up? Would you like to be considered when this assignment is made?

Contact Will at n7thl at arrl.net for more information and to place your name in consideration. The Board would like to have a new volunteer in place by the close of this year's SEA-PAC event, June 6th.

TWO CENTS, from Page 1

It was also good to see one of the club's charter members, Warren Winner W7JDT, who has rejoined the Club, in attendance as well.

In the recent survey, someone suggested the club could use a greeter or two. Members who would greet members and guests as they come in the door. This is an excellent idea. Now, do we have four or five volunteers to alternate in this role? If you would like to volunteer, contact me or one of the board members.

73 for this month.

Pat Roberson, N7PAT
President

CHANGE IN STATUS FOR 440.35 MHz

For several years, OTVARC has assisted in providing the privately-owned 440.350 MHz repeater for the use of the general community and public service groups. Our contribution has been the rental of the repeater site on the KGON tower.

Effective with the close of the current contract period at the end of October, club financial support for the 440.350 repeater will be discontinued. For several years members have asked why Club funds were being used to fund a privately-owned repeater. Member discussions with the Board of Directors this year led to the discussion and action by the Board to cease financial support.

The fate of the 440.350 machine is unknown now. It is owned by Wayne Allen KB7OYL. The decision about the repeaters future is with the owner. Wes Allen K7WWG has maintained the machine and is willing to do so. One possibility is that a group of individual hams could pick up support of the rental from OTVARC and continue the life of this useful machine.

WANT TO JOIN IN LEADING THE CLUB?

Every organization led by volunteers needs both new blood and seasoned veterans. OTVARC is led by an elected Board of Directors composed of nine members. Six or seven of these are elected each year.

Our next Election will take place in December. However, the process begins each Summer as the Elections Committee begins to identify interested members. Will YOU join in leading OTVARC next year?

CLUB FREQUENCIES

Simplex: 147.54 MHz

Repeaters: 146.96 MHz (Goat Mtn)

223.94 MHz (Goat Mtn)

440.25 MHz (Goat Mtn)

440.35 MHz (127.3 KGON Tower)

WORLDWIDE DISTRIBUTION

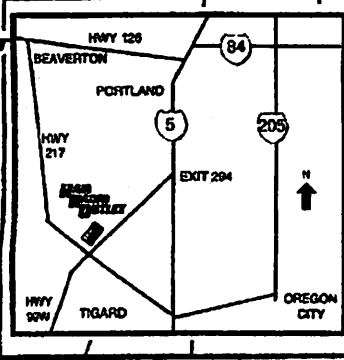
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Add Romanians to 70 MHz List

As of April 14, all Radio Amateurs in Romania have access to the 70 MHz Band. All Romanian Radio Amateurs can run up to 20 watts output in 70.000 - 70.300 MHz on a secondary basis and the maximum emission bandwidth is 12.5 kHz. It is understood that individual requests must be made to the regulator ANCOM prior to operation.

The regulation changes granted Class III operators access to all Amateur bands from 136 kHz to 250 GHz. Class I operators can now apply for an extension of the power limit to 1 kW, they had been restricted to 400 watts on HF.

In Romanian there are 3 classes of Amateur Radio licence. All classes now have access to all bands the only difference between them is the level of power that can be run.

On the HF bands the power levels are:
Class 1 - 400 watts (with ext to 1 kW on request)
Class 2 - 200 watts
Class 3 - 100 watts

US hams do not have 70 MHz privileges but a group is working to apply to the FCC for us.

Amateur Radio Satellites To Launch

The secondary payloads on the Indian PSLV-C15 launch, currently slated for May 5th, will be two Amateur Radio CubeSats and a Norwegian satellite.

One of the CubeSats, STUDSAT (STUDENT SATellite), was built by Indian students and will operate on 437.505 MHz. StudSat will carry a camera capable of 295 foot resolution.

Work on StudSat started in 2007 and the IARU Satellite co-ordination page says it is planned to launch in March 2010 on this Indian launcher. The satellite resembles a small cube of size (4 inches x 4 inches x 5 inches), weighing less than 2 pounds. The satellite is intended to be launched into a 435 mile Sun-synchronous orbit.

It will perform the function of a remote sensing satellite and take images of earth's surface with a resolution of less than 300 feet, the best achieved by any "PICO" category satellite in the world.

It is proposed to use a 10mW CW beacon on UHF and a half duplex 4k8bps FSK TC/TLM link with 1 watt output on UHF. More details may be found at www.southgatearc.org/news/january2010/studsat.htm

The second CubeSat is Tlsat-1. The Space Flight Laboratory (SFL) at the University of Toronto Institute for Aerospace Studies (UTIAS) will launch aboard PSLV-C15. The launching will take place at SDSC-SHAR into a sun-synchronous orbit with NLS-6 and Cartosat-2B and Alsat-2A as primary.

Amateur Radio and Satellites continue to make a strong partnership in communications, scientific study, and education. This continues the long history of enthusiasts in amateur radio developing "real world" projects. One of the strong futures for amateur radio is in the field of demonstrations of concepts and visions of amateur radio operators.

HAMFESTS & CONVENTIONS**8 May 2010**

Northwest Vintage Radio Society
Spring Antique Radio Show and Swap Meet
 21510 Main St
 Aurora Oregon
www.nwvrs.org

4 - 6 JUNE 2010**SEA-PAC**

NW Division ARRL Convention
 Seaside Convention Center, Seaside Oregon
www.seapac.org
 C. Wayne Schuler AI9Q
 16414 NE 21st Street
 Vancouver, WA 98684
 360-892-5580
ai9q@arrl.net

11 - 13 June 2010**Wenatchee Hamfest**

Apple City Amateur Radio Club
 Dryden Gun Club, Dryden, Washington
www.qsl.net/w7td
 Talk-In: 146.68/156.7
 Judy Chrisco KA7ZNA
 1812 SE Soden St., East Wenatchee, WA 98802
 509.884.1251
ka7zna@msn.com

Your business advertising in THE OSCILLATOR is seen each month by more than 200 members who read THE OSCILLATOR. To include your "Business Card" ad (\$48.00 annually) or "Display" - HRO size ad (\$60.00 annually), contact Maureen O'Rourke at 503.591.9641.



Keep your lips happy in this merry month of May
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MAY LUNCH BUNCH

Saturday May 22nd at 1:30 PM
La Hacienda Real
12025 SW Canyon Rd
Beaverton
503-601-7000

Questions?
 Linda KC7YTD
kc7ytd@gmail.com

REGISTER ONLINE FOR SEA-PAC 2010

www.seapac.org



May 8
Club's 32nd Anniversary

May 14 - 16
Dayton Hamvention, Dayton, Ohio

June 4 - 6
SEA-PAC 28th Annual NW Division Convention
Seaside, Oregon

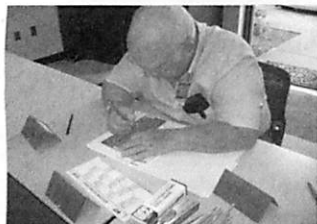
June 25 - 27
Field Day at Stub Stewart

August 19
Annual Barbecue & Ice Cream Social

HAPPY MAY BIRTHDAY

1 Don Branda N7DDK	25 Donald Copeland W7DPV
3 Herb Hirst K7HLH	26 Richard Morgan KD7GIE
3 Len Lardieri W7JLX	26 Sue Dauntless KB7RHH
5 David Bissell KF7AGC	28 Barry Carlson W7BLC
6 Chuck Forsberg WA7KGX	30 Joel Simmons AD7IS
6 George Bates K7GWB	
8 Robbin Heath AD7RN	
16 Willy Lund KC7ICQ	DID WE MISS YOUR
16 Leonard Premelaar KS6U	BIRTHDAY? Our
18 Wally Boleen KC7TB	database needs to be
21 Karl Anderson NU0T	updated.
23 Patricia Rickman N7UUD	otvarc@gmail.com
23 Kevin Curry KA7KYQ	
24 Stephen Coan KA7MOW	

The Anatomy of a VE Session



Will Scores Exam

For several years, your club has been offering Exam Sessions for those who are seeking an amateur radio license. Carl Clawson WS7L leads the club's Volunteer Examiners Team. He is backed up by Will Sheffield N7THL. Regular exam sessions are held on the first Saturday of each month (including holidays). Carl arranges for the exam site at Ronler Acres Fire Station in Hillsboro for eleven months of the year and the Our Saviour's Lutheran Church in Seaside for the June session. Our sites are all



Carl Prepares Candidates

accessible for those with mobility concerns. Special sessions are arranged for those with special needs.

Our club is fortunate to have Examiners. Each session When a larger crowd is Some sessions have two full session, with 11 candidates, had do not serve every month, but seeking examiners. Several of whenever needed. New VEs are



Raul N7BAR, Will N7THL, Rich KD7GIE serve at the May 1st Exam Session (Everett W6ABM, not shown)

There are three exams available Elements 2, 3, and 4. The and is offered to unlicensed answers or more results in a current question pool for Technician Class contains 392 questions. A new pool has been released

many credentialed Volunteer requires at least three for a panel. expected, additional VEs are recruited. panels to handle the exams. A recent four VEs plus Carl as coordinator. VEs respond to Carl's monthly email our team members are available being recruited regularly.

containing 396 questions and will become effective July 1, 2010.



New Licensees in the making

Element 3 contains 484 questions and the exam selects 35 questions to be presented to the candidate. Again, 26 or more correct answers are required. This pool will be replaced with a new one next year. This exam is available to persons who have already earned a Technician Class License and successful passage results in a General Class License.

Element 4 contains 738 questions and the exam selects 50 questions for the candidate. Successful completion requires 37 correct answers. The pool will be valid until the end of June 2012. Element 4 is available to candidates who hold a General Class License.

Some candidates pass two or three exams in a single session. Most take a single exam. We encourage candidates to take the next higher exam at the same sitting. It helps successful candidates to understand their next step. Some take the next exam and surprise themselves with a pass!

Interested in serving as a Volunteer Examiner? Talk with Carl WS7L. He'll answer questions and get you started toward the necessary reading and credentialing exam. Carl may be reached at ws7l@arrl.net.



May 1st Session TEAM at ready

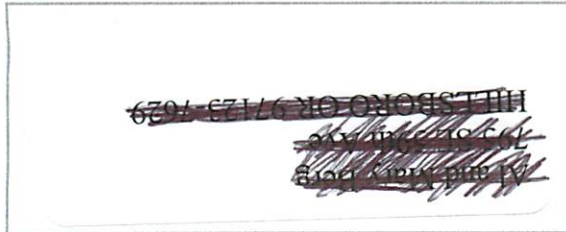
PLACES TO EAT NEAR MEETING LOCATION



Here is a list of some food establishments within one mile of our meeting location. Why not arrange for a group of members with common interests to join for dinner before our meetings? Our meetings begin at 7:00 pm.

Oak Hills Brewpub	14740 Northwest Cornell Road, Portland, OR	(503) 645-0286	0.2 mi E
Sweet Tomatoes	1225 NW Waterhouse Ave, Beaverton, OR	(503) 439-0850	0.3 mi SW
Pizzicato Pizza Cornell	14740 Northwest Cornell Road, Portland, OR	(503) 531-8989	0.2 mi E
Elmer's Bkfst Lunch Dinner	1250 Northwest Waterhouse Ave, Beaverton, OR	(503) 466-9699	0.3 mi SW
Papa's Pizza Beaverton	15700 Northwest Blueridge Dr, Beaverton, OR	(503) 531-7220	0.5 mi SW
Cornell Oaks Café	15455 Northwest Greenbrier Pkwy, Beaverton, OR	(503) 439-8710	0.3 mi SW
Subway	14740 Northwest Cornell Road, Portland, OR	(503) 617-4834	0.2 mi E
Fresh Thyme Soup Co.	16155 Northwest Cornell Road, Beaverton, OR	(503) 466-9103	0.5 mi
Bellagios Pizza	16265 Northwest Cornell Road, Beaverton, OR	(503) 466-2070	0.5 mi W
Marie Callender's	16261 Northwest Cornell Road, Beaverton, OR	(503) 439-8771	0.5 mi W
Fuji's Grill & Sushi	16155 Northwest Cornell Road, Beaverton, OR	(503) 466-1111	0.5 mi W
Monteaux's Public House	16165 Southwest Regatta Lane, Beaverton, OR	(503) 439-9942	1.0 mi SW
Burger King	15945 Northwest Cornell Road, Beaverton, OR	(503) 690-8383	0.4 mi W
Thailand Restaurant	15915 Northwest Schendel Avenue, Beaverton, OR	(503) 629-4969	0.8 mi SW
Chang's Mongolian Grill	1935 Northwest 167th Place, Beaverton, OR	(503) 645-7718	0.8 mi W
Domino's Pizza	16155 Northwest Cornell Road, Beaverton, OR	(503) 645-0030	0.5 mi W
Ichiban Japanese Rest	13599 Northwest Cornell Road, Portland, OR	(503) 641-0331	0.9 mi E
Mazatlan Mexican Rest	13470 Northwest Cornell Road, Portland, OR	(503) 626-3338	0.9 mi E
Mayuri Indian Restaurant	16175 Southwest Walker Road, Beaverton, OR	(503) 533-9050	1.0 mi SW
Thai Cabin Restaurants	16165 Southwest Regatta Lane, Beaverton, OR	(503) 617-4602	1.0 mi SW
Thai Lily Restaurant	13490 Northwest Cornell Road, Portland, OR	(503) 643-0555	0.9 mi E
Boba Licious Cafe	13543 Northwest Cornell Road, Portland, OR	(503) 646-9650	0.9 mi E
Treasure Island Buffet II	15930 Southwest Regatta Lane, Beaverton, OR	(503) 690-0298	1.1 mi S
Wan Q Restaurant	13535 Northwest Cornell Road, Portland, OR	(503) 644-0003	0.9 mi E
Bandito Taco	13565 Northwest Cornell Road, Portland, OR	(503) 643-2304	0.9 mi E
Kauai Island Grill	811 Northwest Murray Boulevard, Portland, OR	(503) 643-4820	1.0 mi E
Sun Teriyaki	15915 Northwest Schendel Avenue, Beaverton, OR	(503) 533-9299	0.8 mi SW
Aiea Grill	16165 Southwest Regatta Lane, Beaverton, OR	(503) 617-4684	1.0 mi SW
Big Town Hero	15995 Southwest Walker Road, Beaverton, OR	(503) 645-1971	0.9 mi SW
Shari's Restaurants	13645 Northwest Cornell Road, Portland, OR	(503) 646-7862	0.8 mi E
Kaizen Restaurants Inc	16500 Northwest Bethany Court, Beaverton, OR	(503) 906-1290	0.6 mi W
Round Table Pizza	13587 Northwest Cornell Road, Portland, OR	(503) 646-9700	0.9 mi E
Salars Mediterranean Grill	760 Northwest Dale Avenue, Portland, OR	(503) 641-8822	1.1 mi E
Hawaiian Grill	13595 Northwest Cornell Road, Portland, OR	(503) 644-8100	0.9 mi E
Sushi Mori	13480 Northwest Cornell Road, Portland, OR	(503) 646-5849	0.9 mi E
IHOP Restaurant	15935 Southwest Regatta Lane, Beaverton, OR	(503) 614-8485	1.0 mi S
Taco Bell	13480 Northwest Science Park Drive, Portland, OR		
Mc Donald's	15975 Southwest Regatta Lane, Beaverton, OR	(503) 614-8799	1.0 mi S

CLUB MEETING
MAY 12TH



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